

STRUCTURE TABLE

Structure #	Type	Station/ Offset	Rim	Invert
MH-1	4' DIA. MANHOLE PER FDOT INDEX 200/201	11+81.09 (0.0')	150.70	(S) 147.12
MH-2	4' DIA. MANHOLE PER FDOT INDEX 200/201	11+43.15 (180.1')	152.86	(W) 149.17
MH-3	4' DIA. MANHOLE PER FDOT INDEX 200/201	11+43.15 (0.0')	150.76	(N) 146.74 (E) 146.74 (S) 146.64
MH-4	4' DIA. MANHOLE PER FDOT INDEX 200/201	9+08.10 (0.0')	151.23	(N) 143.02 (SE) 142.93
MH-5	4' DIA. MANHOLE PER FDOT INDEX 200/201	8+44.05 (136.3')	152.11	(W) 147.42
MH-6	4' DIA. MANHOLE PER FDOT INDEX 200/201	8+44.05 (0.0')	150.78	(NW) 142.29 (E) 142.29 (S) 142.19
MH-7	4' DIA. MANHOLE PER FDOT INDEX 200/201	5+58.57 (193.3')	153.75	(W) 149.06
MH-8	4' DIA. MANHOLE PER FDOT INDEX 200/201	5+22.49 (0.0')	152.11	(N) 140.90 (E) 140.90 (S) 140.80
MH-9	4' DIA. MANHOLE PER FDOT INDEX 200/201	11+72.15 (298.0')	152.74	(S) 145.73
MH-10	4' DIA. MANHOLE PER FDOT INDEX 200/201	8+44.05 (242.0')	153.73	(N) 144.42 (S) 144.32
MH-11	4' DIA. MANHOLE PER FDOT INDEX 200/201	4+60.01 (298.2')	153.89	(N) 142.95 (S) 142.85
MH-12	4' DIA. MANHOLE PER FDOT INDEX 200/201	1+25.96 (354.2')	153.58	(W) 146.62
MH-13	4' DIA. MANHOLE PER FDOT INDEX 200/201	1+25.81 (299.1')	153.27	(N) 141.51 (E) 143.31 (W) 141.41
MH-14	4' DIA. MANHOLE PER FDOT INDEX 200/201	1+25.50 (0.0')	152.58	(N) 139.21 (E) 140.21 (S) 139.11
MH-15	4' DIA. MANHOLE PER FDOT INDEX 200/201	0+00 (0.0')	152.69	(N) 138.61 (W) 138.51
MH-16	EXISTING M.H.			(E) 138.16

LEGEND

- 6-INCH PVC SERVICE LATERAL
@ 1.0 % MIN. SLOPE
- 8-INCH PVC GRAVITY SEWER LINE
- 4-FOOT DIAMETER MANHOLE

UTILITY BACKFILL

ALL UNDERGROUND UTILITIES MUST BE BACKFILLED IN 10 INCH LIFTS WITH THE TRENCH SPOIL, UNLESS THE SPOILS DO NOT MEET AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698), IN WHICH CASE A SUITABLE STRUCTURAL FILL MUST BE IMPORTED AND THE UNSUITABLE SPOILS DISPOSED OFF SITE.

EXISTING UTILITY NOTES

EXISTING UTILITY LOCATIONS SHOWN SUCH AS GAS, WATER, CABLE, ETC., ARE BASED ON BEST AVAILABLE INFORMATION AS PROVIDED BY THE UTILITY COMPANY. THESE UTILITIES ARE NOT SURVEYED LOCATIONS AND NEED TO BE FIELD VERIFIED BY THE SITE CONTRACTOR PRIOR TO CONSTRUCTION. UPON ACTUAL FIELD LOCATION, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES THAT CONFLICT WITH THE PROPOSED DESIGN.

SEWER NOTES

- ALL SANITARY SEWER PIPING 4" TO 15" INCLUDING, FITTINGS AND LATERALS SHALL BE PVC SDR 26, DYED GREEN.
- ALL FORCE MAIN PIPING TO BE PVC CLASS 900, DYED GREEN.
- WATER AND SEWER LINES SHALL NOT BE PLACED IN THE SAME TRENCH AND SHALL REQUIRE A LATERAL SEPARATION OF AT LEAST 6 FEET, OR IN CASE OF CROSSING, A VERTICAL DISTANCE NOT LESS THAN 12" SHALL BE MAINTAINED. IF THESE CONDITIONS ARE NOT MET, THE WATER MAIN SHALL BE DUCTILE IRON FOR A DISTANCE OF 20' SPACED EQUALLY OVER THE INTERFERENCE.
- ALL GRAVITY SEWER LINES SHALL BE TESTED BY "LAMPING" THE MANHOLES AND A CAMERA SHALL BE PASSED THROUGH ALL LINES FOR THE PURPOSE OF MAKING A VIDEO TAPE OF THE INTERNAL SYSTEM. REFERENCE SECTION 5.9 OF THE CITY OF WINTER HAVEN SPECIFICATIONS - WASTEWATER COLLECTION AND TRANSMISSION SYSTEM DESIGN AND CONSTRUCTION.
- ALL FORCE MAINS TO BE TESTED PER THE PROCEDURE OF THE UTILITY PROVIDING SERVICE.
- THE CONTRACTOR IS TO SUPPLY COMPLETE "AS-BUILT" DRAWINGS SIGNED AND SEALED BY A REGISTERED SURVEYOR. ALL INSTALLATIONS SHALL BE LOCATED BY A POINT NUMBER IN PLAN VIEW WITH A CORRESPONDING CHART THAT INCLUDES THE POINT NUMBER, NORTHING, EASTING, DESCRIPTION & ELEVATION DATA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS ISSUED FOR THE SANITARY SEWER SYSTEM AND CONFORM TO ALL CONDITIONS OF ISSUANCE.
- ALL UTILITIES INSTALLATION SHALL BE TO CITY OF WINTER HAVEN SPECS.
- THE SANITARY SEWER SYSTEM (MANHOLES AND PIPES) WILL BE PRIVATELY OWNED AND MAINTAINED.
- ANY REMOVAL OF EXISTING PIPE SHALL BE PROPERLY CAPPED UNDER CITY SUPERVISION.



IMPORTANT:

ALL SERVICE LATERALS, VALVES, FIRE HYDRANTS, FITTINGS, INLETS, ETC., SHOWN HEREON ARE GRAPHICAL SYMBOLS ONLY AND NOT TO SCALE. REFER TO DETAIL SHEETS FOR EXACT LOCATION, SIZE AND OTHER SPECIFICATIONS.

WASTEWATER PLAN

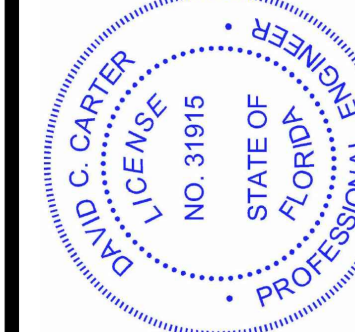
WESTWOOD AT WINTER HAVEN
A MULTI-FAMILY COMMUNITY
WINTER HAVEN, FLORIDA

PROJECT No.
278
PLOT DATE
Nov 16, 2019-14:45

SHEET #
C5.2

CARTER
ENGINEERING
137 6th St. N.W., Winter Haven Fl. 33881
(863) 294-6865 • E-mail: dave@carter-eng.com

DRAWN BY:
DESIGNED BY:
CHECKED BY:
ISSUE DATE:
FIELD DATE:



DAVID C. CARTER, P.E.
REGISTERED PROFESSIONAL ENGINEER
NO. 31915
DATE: 11/13/19
SIGNATURE, PRINTED NAME, AND EXPIRATION DATE REQUIRED FOR ANY ELECTRONIC USE.

NO. DATE APPR. REVISIONS